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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 33

Application Number	10/821,102
Filing Date	04-08-2004
First Named Inventor	Paul Grobert
Art Unit	2193
Examiner Name	Chaki, Kakali
Attorney Docket Number	PD 03W142

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
 - ☐ After Final
 - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/Incomplete Application
 - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
- ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ Landscape Table on CD

- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Raytheon Company		
Signature			
Printed name	John E. Gunther		
Date	March 21, 2006	Reg. No.	43,649

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	John E. Gunther	Date	March 21, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney's Docket No. PD-03W142

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Paul Grobert

Date: March 21, 2006

Serial No.: 10/821,102
Filed: 04-08-2004

Art Unit: 2193
Examiner: Chaki, Kakali

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Dear Sir:

Under his duty of disclosure under Rule 35 U.S.C. Section 1.56 the Applicant respectfully submits an Information Disclosure Statement listing new art cited in the International Search Report for counterpart application PCT/US2005/011708.

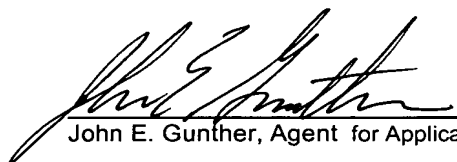
Copies of the cited documents, other than U.S. Patents, are enclosed.

Applicant attests that each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the date of this submission. Therefore, no fee is submitted in accordance with C.F.R. 1.97(c)(1). However, if any fee is required for the processing of this Information Disclosure Statement, Applicant authorizes the charge against assignee's Deposit Account No. 50-0616.

Do not hesitate to contact the undersigned with your questions regarding this information.

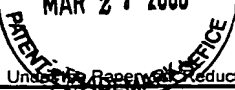
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

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First Named Inventor	Paul Grobert
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Examiner Name	Chaki, Kakali
Attorney Docket Number	PD 03W142

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HATKE G. F. ED, MATTHEWS M. B., "Adaptive array processing for wideband nulling in GPS systems," Signals, Systems and Computers, 1998.	
		Conference Record Of The thirty-Second ASILOMAR Conference, IEEE, vol1. 2, 11-01-1998, pp 1332-1336.	
		KEGU YANG ET AL, "Sectorized space-time adaptive processing for CDMA systems," Statistical Signal and Array Processing, 2000.	
		Proceedings of the Tenth IEEE Workshop, IEEE, 08-14-2000, pp 28-32	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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